

# SLP090-12F

## High Efficiency Multicrystalline PV Module

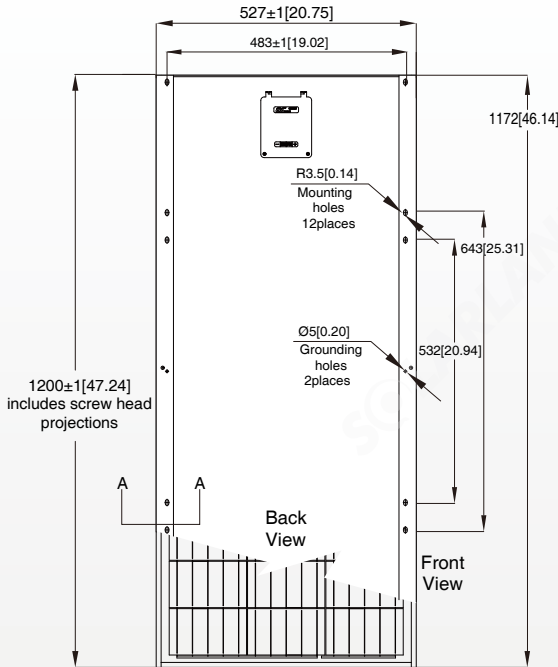
| Electrical Characteristics              | SLP090-12F         |
|-----------------------------------------|--------------------|
| Product code                            | 090011208          |
| Maximum power (Pmax)                    | 90W                |
| Voltage at Pmax (Vmp)                   | 17.2V              |
| Current at Pmax (Imp)                   | 5.23A              |
| Open-circuit voltage (Voc)              | 21.6V              |
| Short-circuit current (Isc)             | 5.81A              |
| Temperature coefficient of Voc          | -(80±10)mV/°C      |
| Temperature coefficient of Isc          | (0.065±0.015)%/ °C |
| Temperature coefficient of power        | -(0.5±0.05)%/ °C   |
| NOCT (Air 20°C; Sun 0.8kW/m² wind 1m/s) | 47±2°C             |
| Operating temperature                   | -40°C to 85°C      |
| Maximum system voltage                  | 1000V DC           |
| Power tolerance                         | ± 5%               |

\*STC: Irradiance 1000W/m², AM1.5 spectrum, module temperature 25°C

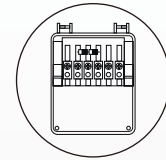
\*NOCT: Nominal operating cell temperature (the data is only for reference)



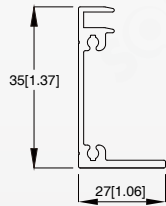
### Module Diagram



Dimensions in brackets are in inches.  
Un-bracketed dimensions are in millimeters.  
Unit: mm[in.]



Junction Box  
Top View (Lid Open)

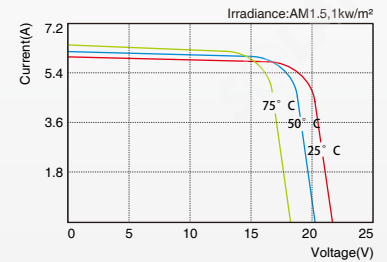


Section A-A

### Features

- Nominal 12V DC for standard output.
- Outstanding low-light performance.
- Heavy-duty anodized frames.
- High transparent low-iron, tempered glass.
- Rugged design to withstand high wind pressure, hail and snow load.
- Aesthetic appearance.

### Characteristics



SLP090-12F I-V Curves

### Specifications

### SLP090-12F

|                              |                                                            |
|------------------------------|------------------------------------------------------------|
| Cells                        | Polycrystalline silicon solar cell                         |
| No. of cells and connections | 36(3X12)                                                   |
| Module dimension             | 1200mm[47.24in.],x527mm[20.75in.],x35mm[1.38in.]           |
| Weight                       | 8.90kg[19.62lbs]                                           |
| Packing information(Carton)  | 1345mm[52.95in.],x575mm[22.64in.],x85mm[3.35in.]/(1pc/ctn) |

\*Limited warranty: 5-year limited warranty of materials and workmanship; 10-year limited warranty of 90% power output; 25-year limited warranty of 80% power output. For detail, please contact us.

\*Specifications are subject to change without notice at any time.